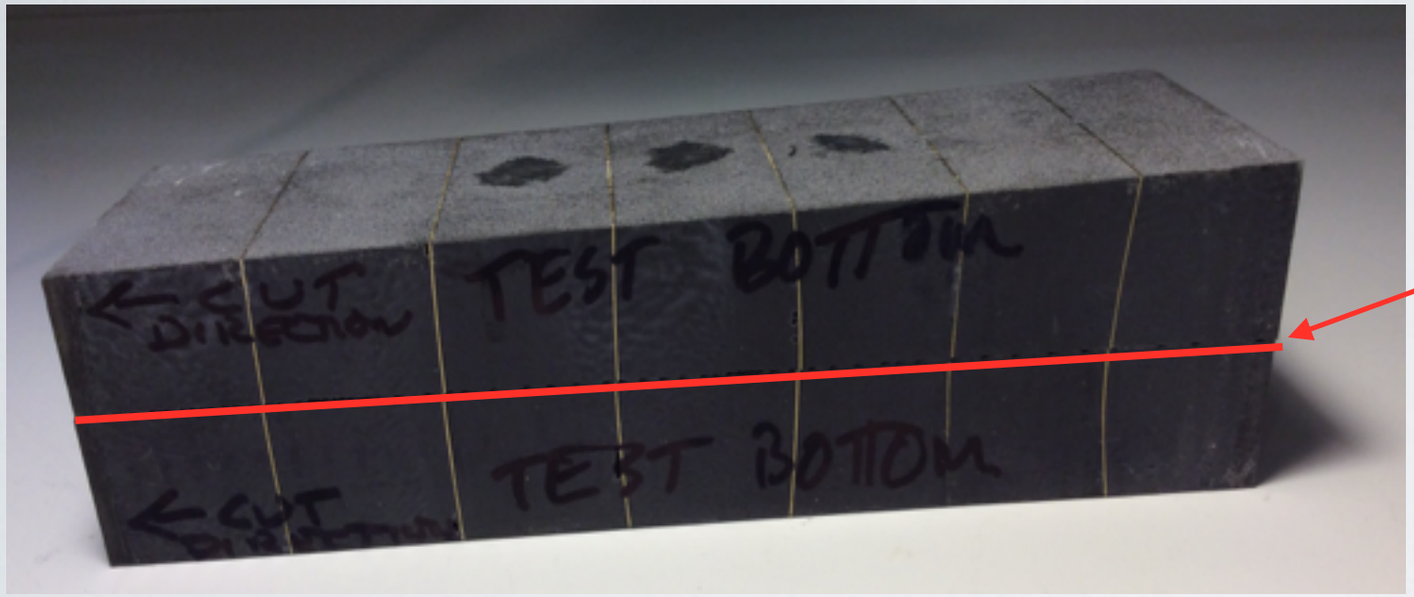
EMCal Production Update

October 25, 2016

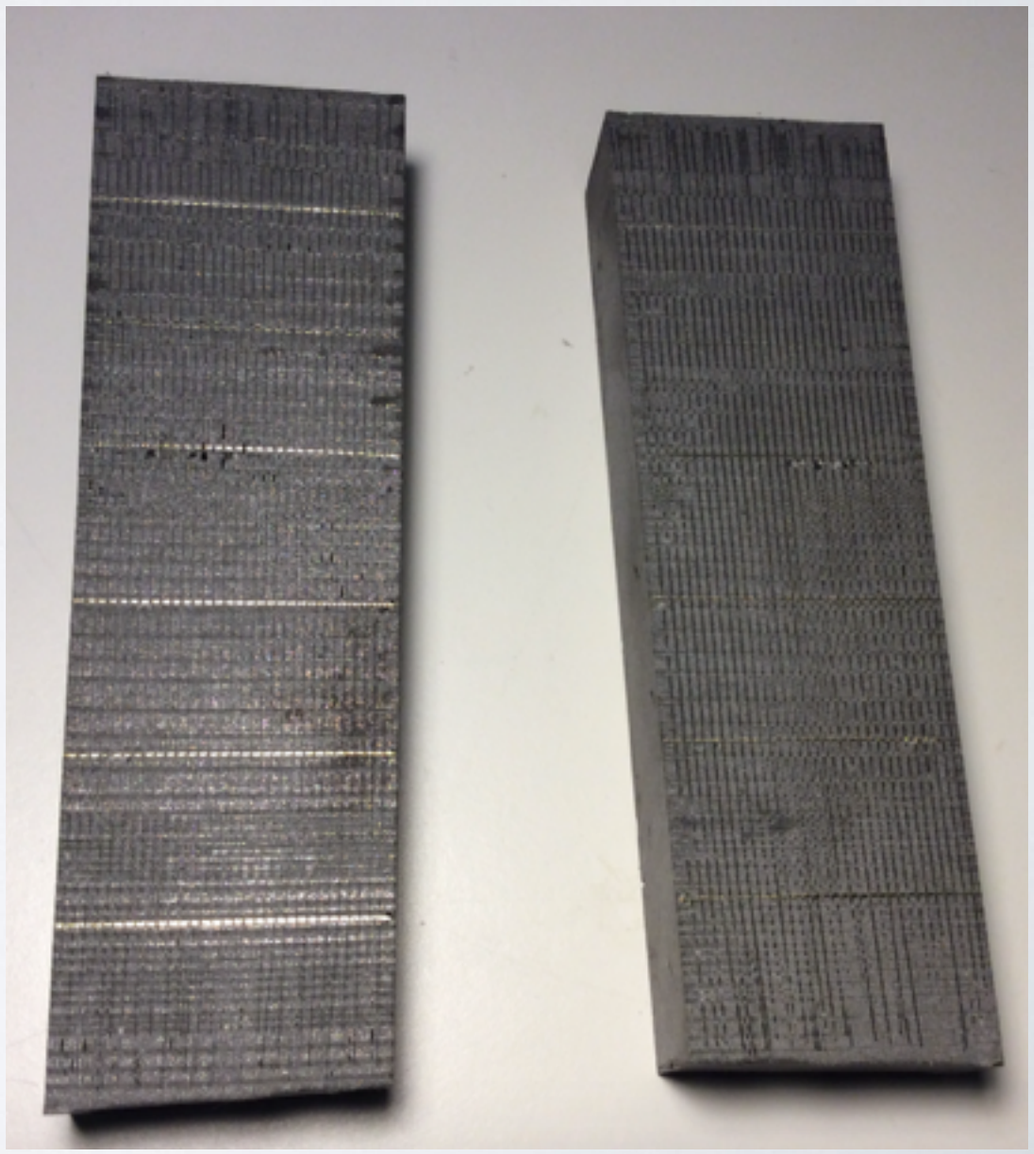
Test Module Evaluation



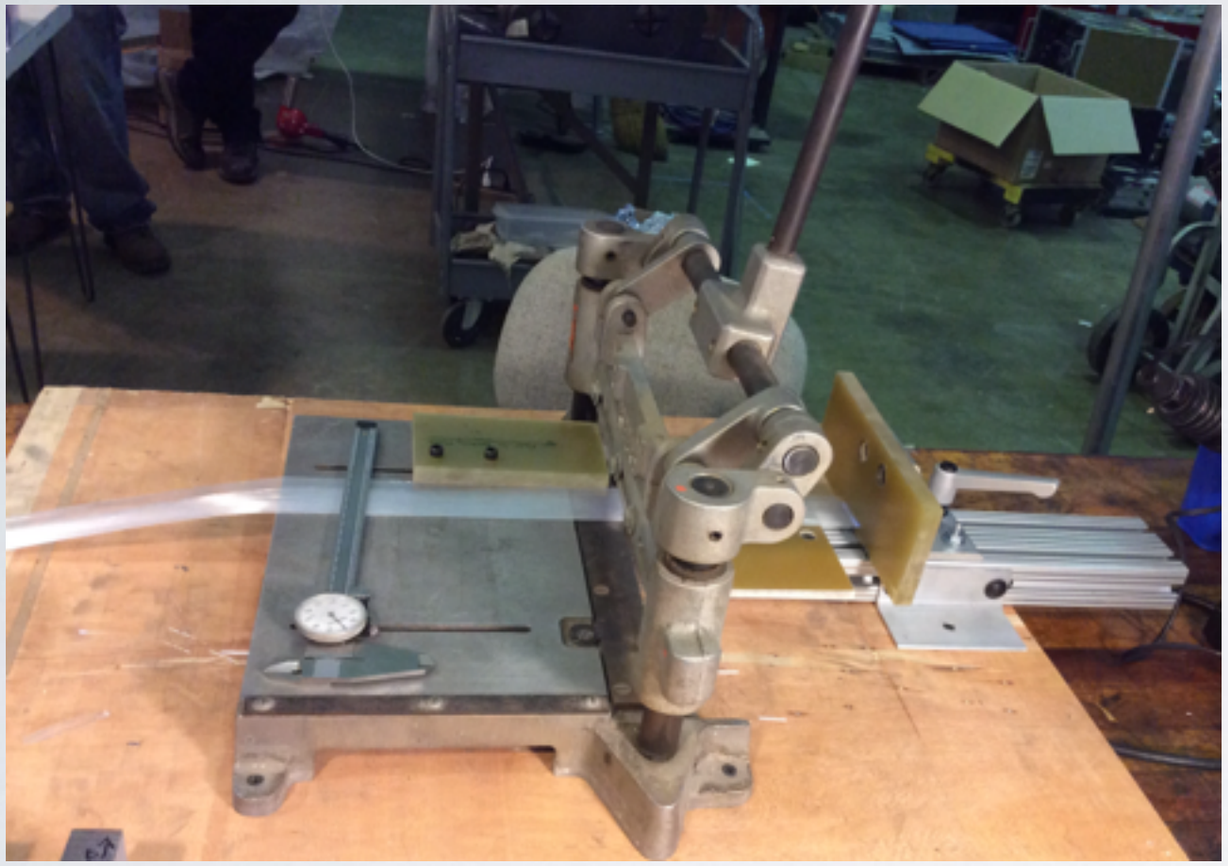
cut line

Test module cut open

Checking for voids/uniformity



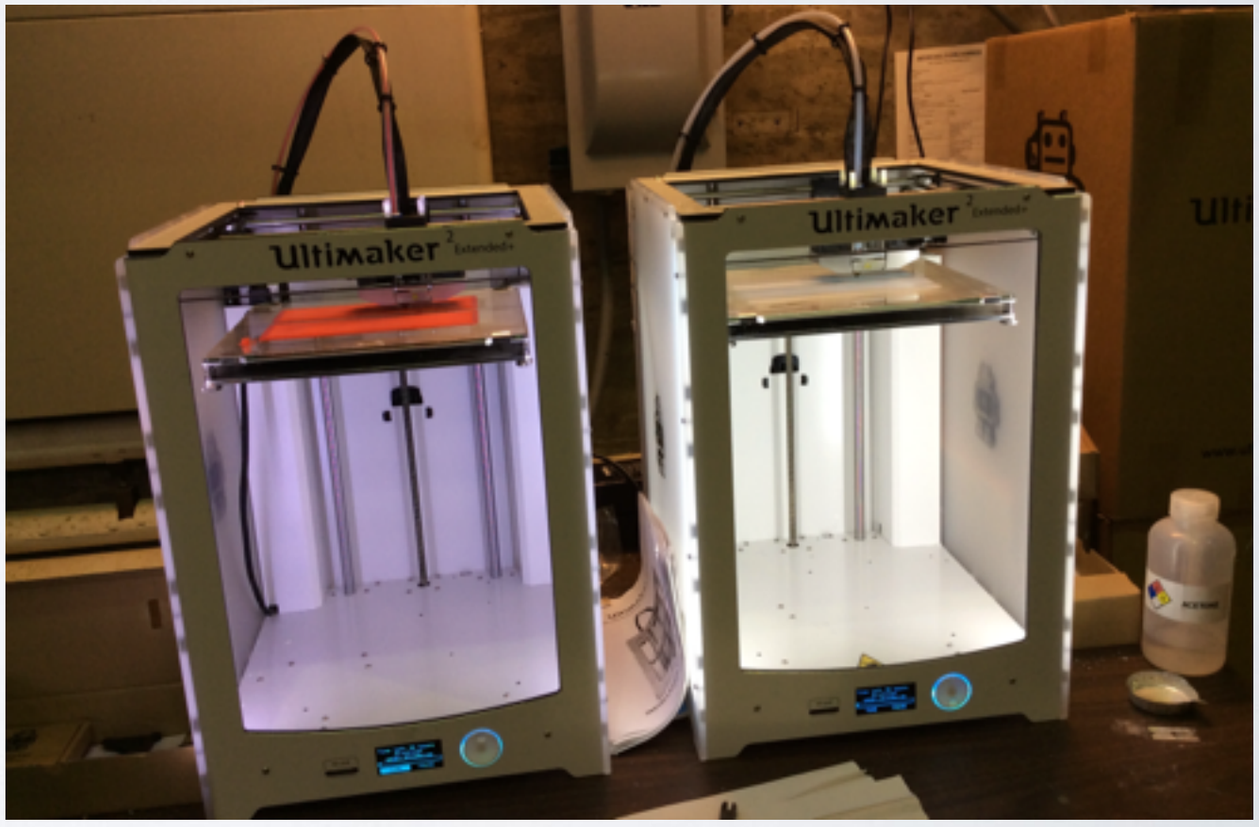
Pre-Production Steps



new method for fiber cutting

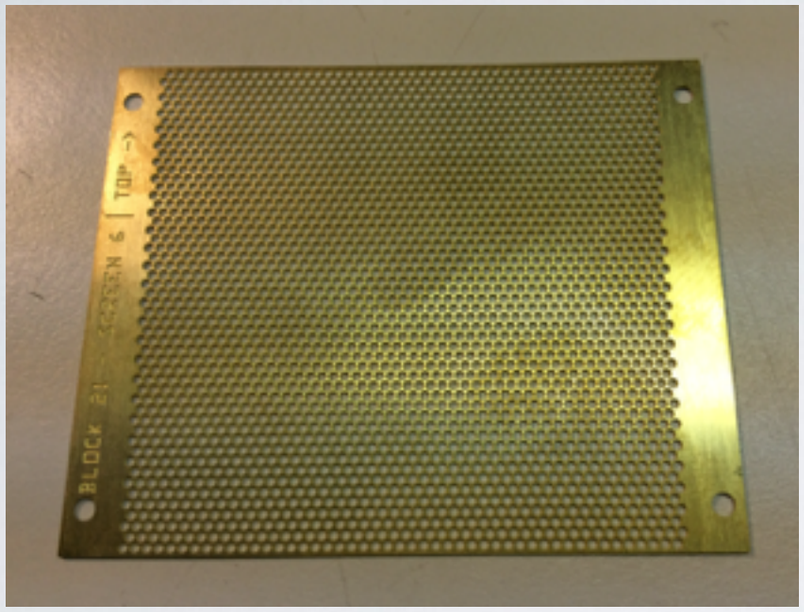
The fiber cutting improves precision.

3D printing the sides

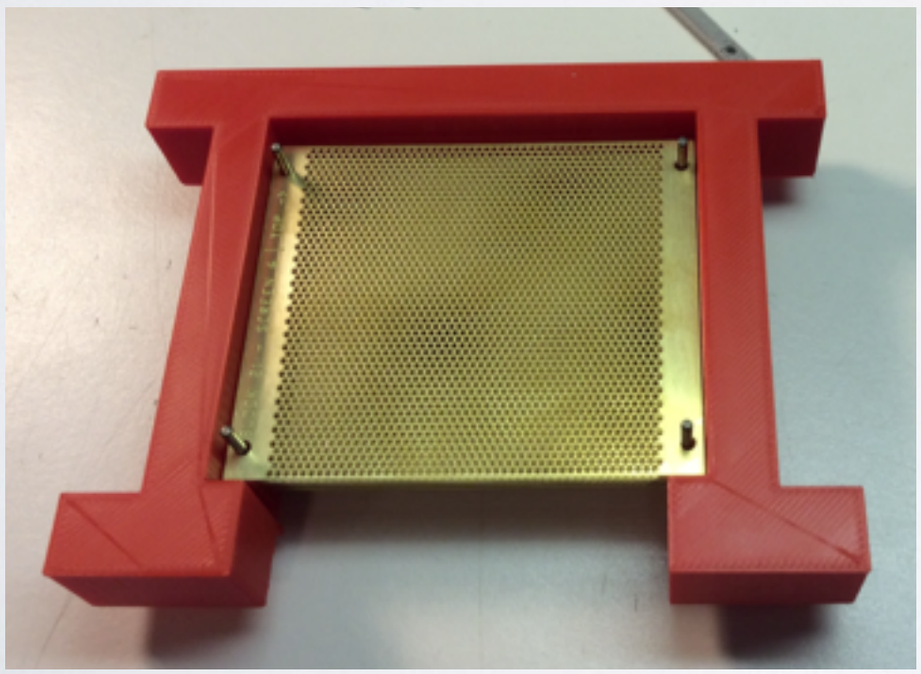


We are bottle-necked with the 3D printer.

Filling 3D Meshes

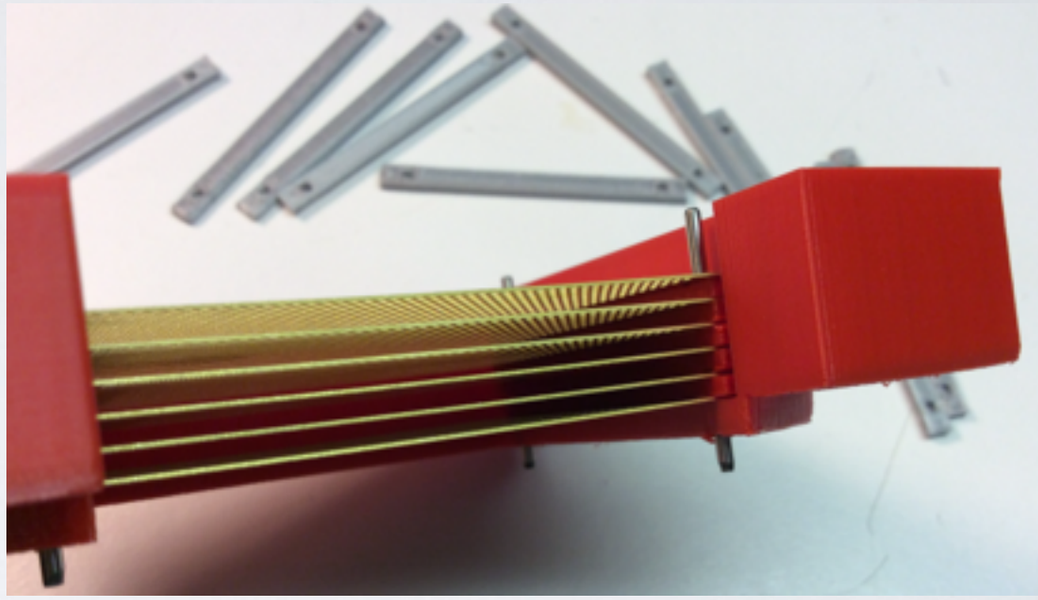


block 21 screen 6



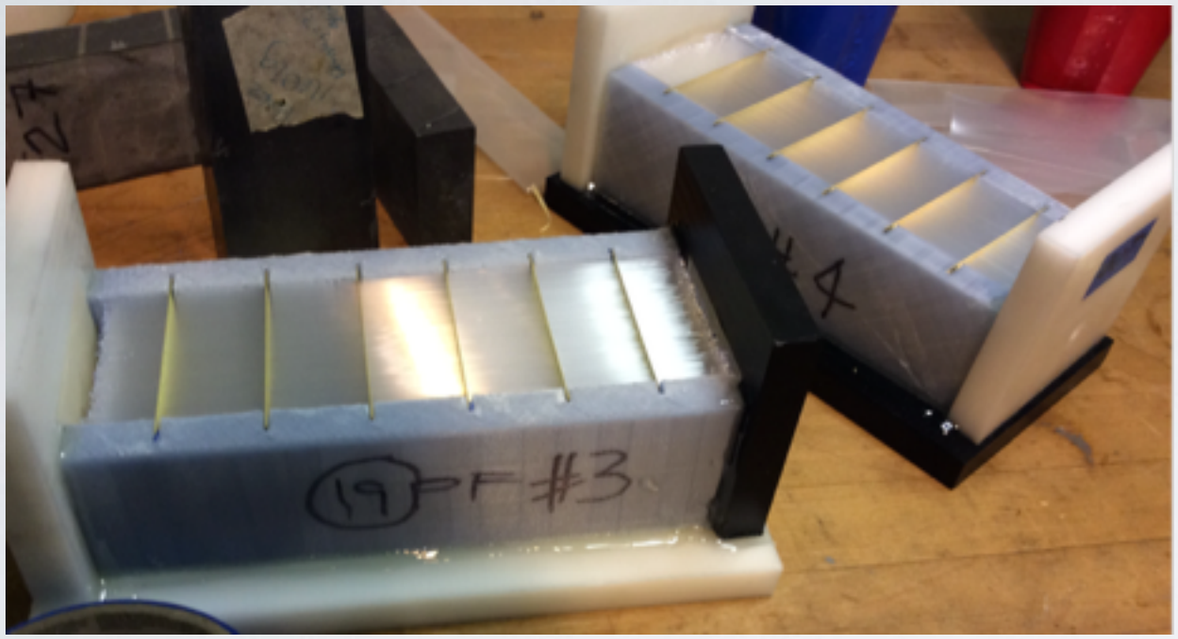
3D printed for mesh holders

3D printed spacers added



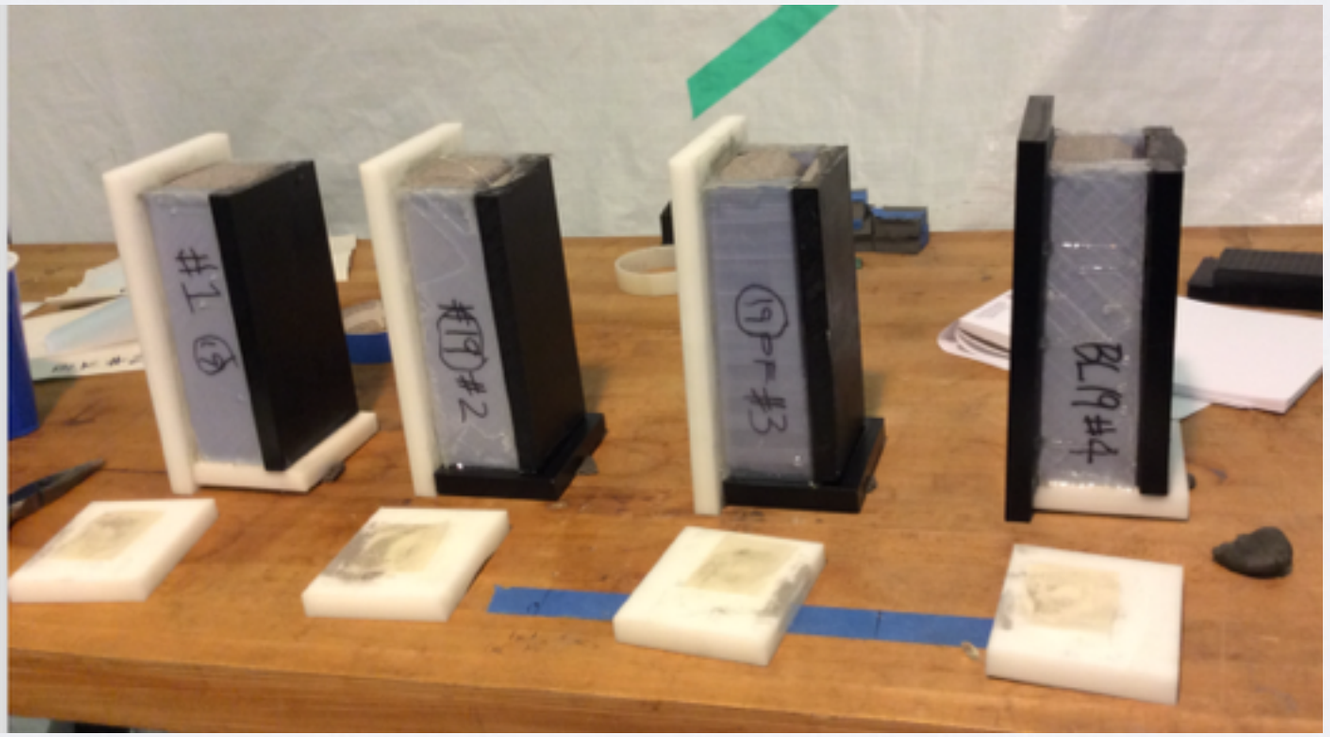
filled meshes

Tungsten Added



Fibers/meshes in mold

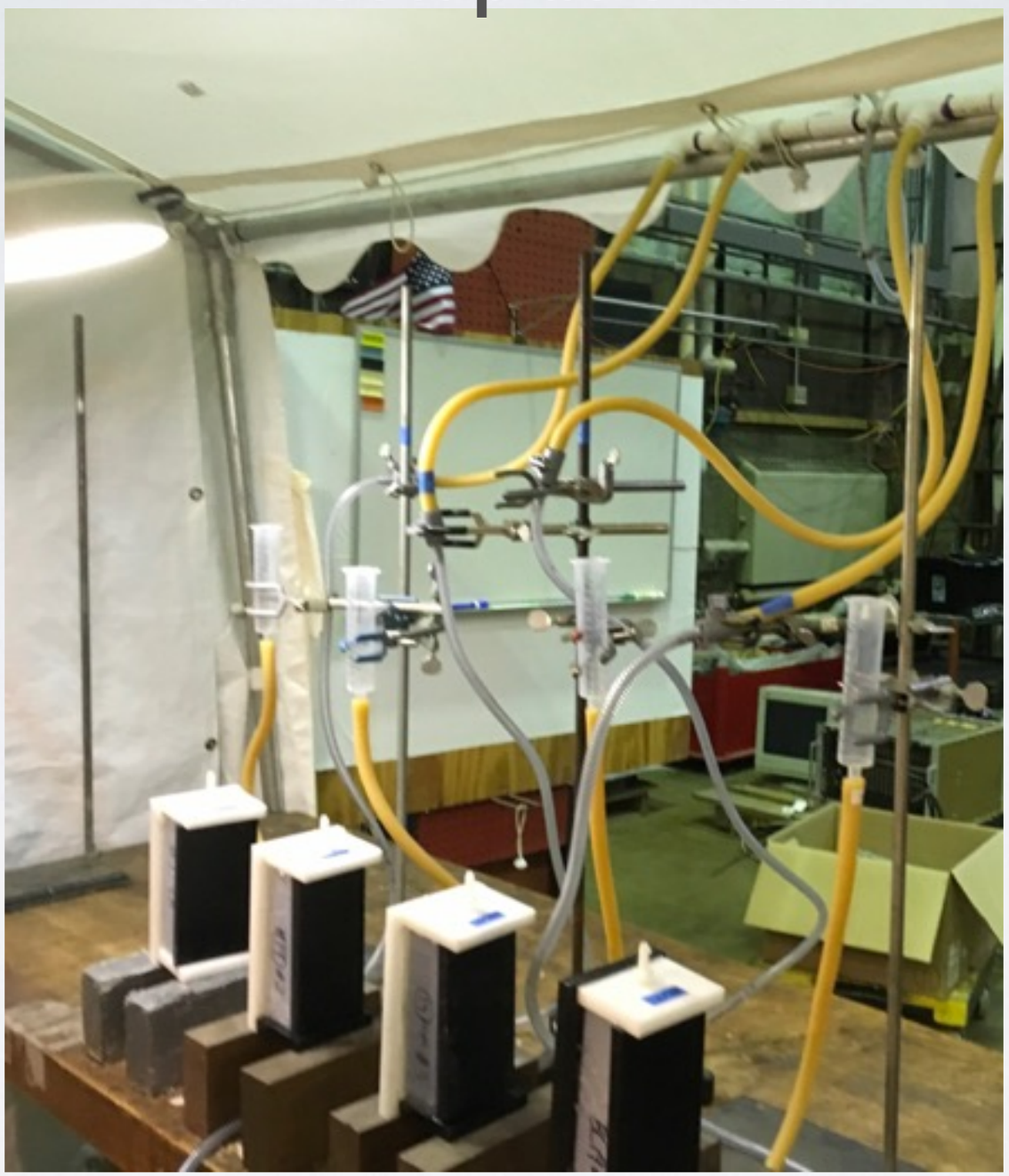
Tungsten powder added



Block 19: 1, 2, 3, and 4

Epoxying Modules

four setup at once!



Block 19 modules

Summary/Plan of Action

Success: Thanks Sean for the fibers!

-Fiber filling of block 19 was successful, average is about 2 hours.

-New method for fiber cutting starting with block 20. It cuts down on fiber cutting time (4 bags can be cut in a few minutes verses whole day).

Issues:

-3D printers are now a lag with production. Printers run 24/7.

-Working on the occasional leak of mold when epoxying.

Plan of Action:

-Block 19s are finishing epoxying today
-Block 20s potted Thursday (tentatively)